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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604611A Javelin				PROJECT D499		
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D499 Javelin	7512	5242	493	493	492	492	983	981	0	637488
<p>A. Mission Description and Budget Item Justification: This program provides for the continuation of Engineering and Manufacturing Development (EMD) of a manportable antitank weapon system for the combined arms team employment. The infantry must have the capability to defeat numerically superior armored forces. The present medium infantry antitank weapon is DRAGON. The system developed within this program element will replace the DRAGON to provide enhanced lethality for the early entry force. It will have a high kill rate against all known armor threats at extended ranges under day/night, adverse weather conditions and in the presence of battlefield obscurants. This system will be hardened against countermeasures and will not require extensive training for effective employment. Active protection system developments will be considered and modifications studied to defeat these devices if necessary. Software improvements to maintain lethality against evolving targets and countermeasures and increase robustness of system performance in all environments will be pursued. Integration of Alternate Main Charge Warhead (AMCW) Guidance Section into Baseline Main Charge Warhead (BMCW), Lethality Improvement Tracker Enhancement (LITE), and Counter Active Protection System (CAPS)/Tracker software will be pursued.</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 852 Program Management • 1924 Test Support • 1308 Lethality Improvement Tracker Enhancement • 1400 10 LITE Telemetry Rounds for FY1999 DT&E • 1400 Advanced Main Charge Warhead • 314 4 AMCW/Common ESAFQUAL/Full-Up Rounds for FY1999 DT&E • 314 4 AMCW/Live Fire/Full-Up Rounds for FY1999 LFT&E Total 7512 <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 1492 Program Management • 2122 Test Support BMCW • 339 Lethality Improvement Tracker Enhancement • 1150 Counter Active Protection System /Tracker Software • 139 Small Business Innovative Research/ Small Business Technology Transfer Total 5242 										
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<p>D. Acquisition Strategy: Integration of the AMCW guidance section into the BMCW will be accomplished under a cost plus fixed fee contract. LITE efforts continue under a cost plus fixed fee contract. CAPS/Tracker software is in the research and development phase, as part of a PEO Tactical Missiles Horizontal Technology Insertion initiative.</p>																																																															
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E. Schedule Profile	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
AMCW Final Design			1 st Qtr*							
Award LITE 1 Contract			1 st Qtr*							
LITE 1 Captive Flight Tests			2 nd /3 rd Qtr*							
Award AMCW Contract Option 1			1 st Qtr*							
AMCW Live Fire Test			2 nd Qtr*							
AMCW Tandem Test			3 rd Qtr*							
AMCW Lethality Assessment 1			1 st /2 nd Qtr*							
BMCW Tests Phase 2				2 nd Qtr						
BMCW Lethality Assessment 2			4 th Qtr*	3 rd Qtr	2 nd Qtr					
Qualification Tests				2 nd Qtr						
BMCW Flight Tests Phase 3				2 nd Qtr						
ECP Approval					2 nd Qtr					
CAPS/Tracker Software Contract/Options				2 nd Qtr	1 st Qtr	1 st Qtr	1 st Qtr	1 st Qtr	1 st Qtr	1 st Qtr
<p>* Completed Milestones</p>										
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